Plotly

透過 griddata 可以將原本向量式的資料轉換成 plotly 接受的二維陣列型式, 以輸出更高品質的 3D 曲面. 由於 matplotlib 目前輸出多個曲面物件無法正確做遮蔽的計算, 就是當兩個曲面有交疊時, 不知道哪部分誰該在上誰該在下, 此時建議以 plotly 輸出 HTML.

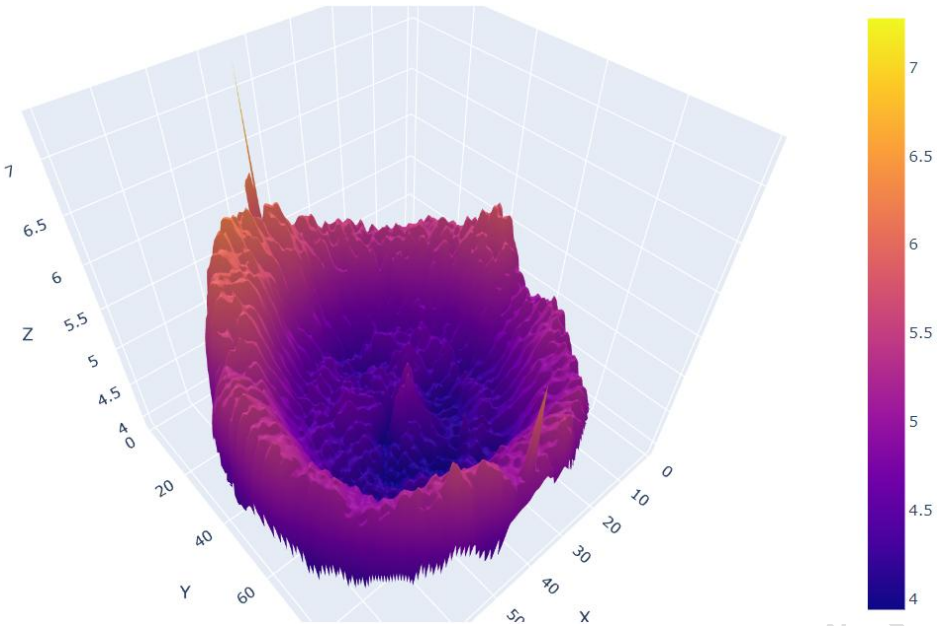
```
import plotly.graph_objects as go
from plotly.offline import plot

def plotlySurface(x,y,z):
    gx,gy = np.mgrid[x.min():x.max():200j,y.min():y.max():200j]
    gz = griddata(np.array([x,y]).T,z,(gx,gy),method='linear')
    trace = go.Surface(x=gx,y=gy,z=gz)
    layout = go.Layout(
        title='uniformity',
        showlegend=False,
        height=500,width=800,margin=dict(l=0,r=0,b=0,t=0),

scene={'xaxis':{'title':'X'},'yaxis':{'title':'Y'},'zaxis':{'title':'Z'}},
        scene_camera={'eye':{'x':-1,'y':-1,'z':1.0}}
    )
    fig = go.Figure(data=[trace],layout=layout)
    plot(fig,filename=f'{path}/uniformity.html',auto_open=True)

df = pd.read_csv(f'{path}/CSV/sidd_uniformity.csv').dropna()
#x,y,z = df.values.T
plotlySurface(*df.values.T)
```

DigWise Technology



DigWise Technology